BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Developement of Dhobhightt

JOB NUMBER.: Malasandra						Est. Amount = Rs		100.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount In Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. (Page No.-141 I.No-19.1 of KPWD S.R 2016-17)								
	Ch:00-480	Cum	1	550.00	1.50	1.50	1237.50		
	Cn:00-55		1	39.00	0.80	0.80	24.96		
	Culvert		1	10.00	1.80	1.00	18.00		
	Culvert		1	15.00	1.80	1.00	27.00		
	Pipe line Cutting		1	200.00	0.60	1.00	120.00		
						Total Qty	1427.46	186.92	266820.82
2	KSRB 2-4 Refilling available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item KSRB 2.3 Page No. 6/ Item No. 2.11 / PWD SR 2016-17								
		Sqm	1	200	3.14*.23*.23/4		8.31		
						Total Qty	8.31	80.56	669.07
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2016-17)								
	Ch:00-480	Cum	1	550.00	1.50	0.15	123.75		
	Ch:00-55		1	39.00	0.80	0.15	4.68		
	Culvert		1	10.00	1.80	0.15	2.70		
	Culvert		1	15.00	1.80	0.15	4.05		
						Total Qty	135.18	5347.70	722902.09
4	KSRB 5.2-2: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Culvert	Cum	2	10.00	0.60	0.60	7.20		
			2	10.00	0.45	0.40	3.60		
	Culvert		2	15.00	0.60	0.60	10.80		
			2	15.00	0.45	0.40	5.40		
						Total Qty	27.00	4438.22	119831.94
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete Cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 Cum and fine aggregtes @ 0.459Cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and clils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 12, It No. 4.6 of KPWD S.R 2016-17)								
	Copping	Cum							
	Culvert		2	10.00	0.45	0.10	0.90		
	Culvert		2	15.00	0.45	0.10	1.35		
						Total Qty	2.25	5767.46	12976.79
6	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	Culvert	Sqm	1	10.00	1.80		18.00		
	Culvert		1	15.00	1.80		27.00		
						Total Qty	45.00	4743.00	213435.00
7	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2016-17)								
	Bottom Slab	Sqm							
	Ch:00-480		1*2	550.00		0.20	220.00		
	Ch:00-55		1*2	39.00		0.20	15.60		
	Side Wall								
	Ch:00-480		1*4	550.00		1.00	2200.00		
	Ch:00-55		1*4	39.00		0.80	124.80		
						Total Qty	2560.40	310.56	795209.02

No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
8	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete ...er Specification.Specification No. KBS 4.6.2								
	For Cover Slab								
	Ch:00-480	Sqm	1	550.00	1.50		825.00		
	Ch:00-55		1	39.00	0.80		31.20		
						Total Qty	856.20	407.04	348507.65
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2016-17).								
	For Drain								
	One cubic mt 60kg	Tonne	1		33.32		33.32		
						Total Qty	33.32	59413.00	19,79,807.52
10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	Bottom Slab	Cum							
	Ch:00-480		1*1	550.00	1.30	0.20	143.00		
	Ch:00-55		1*1	39.00	0.80	0.15	4.68		
	Side Wall								
	Ch:00-480		1*2	550.00	0.20	1.10	242.00		
	Ch:00-55		1*2	39.00	0.15	0.60	7.02		
	Cover Slab								
	Ch:00-480		1	550.00	1.40	0.20	154.00		
	Ch:00-55		1	39.00	0.80	0.15	4.68		
						Total Qty	555.38	6231.74	3460983.76
11	KSRB 15-18.2 : Providing and applying enamel metal paint two Sqm 79.00 coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.								
	Fense	Sqm	2	240.00		3.00	1440.00		
						Total Qty	1440.00	86.92	125164.80
	Bore well								
12	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)								
		Rmt	1				1.00		
						Total Qty	1.00	1938.46	1938.46
13	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)								
	0.00 to 50.00 Mtr.	m	1	50.00			50.00	315.00	15750.00
	50.00 to 100.00 Mtr.		1	50.00			50.00	412.00	20600.00
	100.00 to 150.00 Mtr.		1	50.00			50.00	458.35	22917.50
	150.00 to 200.00 Mtr.		1	50.00			50.00	484.10	24205.00
	200.00 to 250.00 Mtr.		1	50.00			50.00	560.32	28016.00
	250.00 to 300.00 Mtr.		1	50.00			50.00	600.49	30024.50
14	PVC Pipes 10kg/Sqm 250mm outerdia (PW,P & IWTD E.C-2016-17=P NOXXXII)								
		Each	1	15.00			15.00		
						Total Qty	15.00	2600.00	39000.00

	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
15	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length 6 mtr. to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)								
		m	1	80.00			80.00		
						Total Qty	80.00	1364.75	109180.00
16	Providing and fixing 175mm dia MS casing collers (PREC AR III- No.86) 12-13								
		Each	1	18.00			18.00		
						Total Qty	18.00	1133.00	20394.00
17	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)								
		Each	1	1.00			25.00		
						Total Qty	25.00	150.00	3750.00
18	supply of 175mm M.S collars each (P.NO-III, I.NO-86, PRED 12-13 SR)								
		Each	1	50.00			50.00		
						Total Qty	50.00	150.00	7500.00
19	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage (PW,P & IWTD B.C-2016-17= P NO.XXXXI)								
	a) SL No.33 —— 15 HP / 30 STAGE	No.s	1				1.00		
						Total Qty	1.00	70685.00	70685.00
20	Supplying and fixing ISI marked Galvanized nild steel tube (conteneously welded) electrical restistance welded (ERW) Hi freezuency inclucation whelded hot finished we with latest amendments, pipes threded at both aend the other end procte with HD colled as per specification in random lengths 4 to 7 confirming to IS 1239/ part 1990 with amendment 1-5 and with all its latest amendments if any: the pipe supplied ahould be with BIS mark Galvaized iron pipes : ISI 239 (part-1) 1990 50 mm dia "C" Class (Heavy Duty coller) (PRED Bangalore = Circle SE Approved rate dated:26.07.2010)(PAge No.III / Item No.78)								
		Rmt	1	300.00			300.00		
						Total Qty	300.00	210.00	63000.00
21	Supplying and fixing 50mm dia GI collar Heavy duty (PRED SE Approved rates 12-133 PG NO.III/78								
		Rmt	1	46.00			46.00		
						Total Qty	46.00	210.00	9660.00
22	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per 1x3x4 Sqmm of 56 strands 0.3mm dia group-A (BWSSB 5358/300 (a)								
		m	1	660.00			660.00		
						Total Qty	660.00	159.50	105270.00
23	Supply and fixing 50mm doa GI union with ISI mark (PWP & IWTD B.C 2016-17=P.NoXXXVII)								
		m	1	1.00			1.00		
						Total Qty	1.00	223.70	223.70
24	Supply and fixing 50mm doa GI Nipple with ISI mark (PWP & IWTD B.C 2016-17=P.NoXXXVII)								
		m	1	2.00			2.00		
						Total Qty	2.00	104.30	208.60
25	KSRB-13-7.2-1 : Providing and fixing in position 50mm nominal bore gun metal non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (PWP & IWTD B.C 2016-17=P.No.XXIV SL NO.658 code No.0125)								
		m	1				1.00		
						Total Qty	1.00	1145.00	1145.00
26	Supply and fixing 50mm doa GI Elbow with ISI mark (PWP & IWTD B.C 2016-17=P.NoXXXVII)								
		m	1	2.00			2.00		
						Total Qty	2.00	122.00	244.00
27	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-Cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr Cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter(PRED Bangalore circle SE approved rate dated 2016-17)								
		No.s	1	LS					
						Total Qty		22000.00	22000.00

	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
28	Erection of pump including aligning and balancing with all necessary erection material and labour including supply and fitting of two pairs of supporting clamps with necessary bolts and washers. one borewell cap cable clips and watertight gland cable protecters. ...s and nuts valves and gauges etc.. involved in the job (Approved rates)								
		No.s	1.0	LS					
						Total Qty		22000.00	22000.00
29	Erection ofsupply and fixing of control panel board. In Door type unit IS 5124 10HP to 20HP (PWP & IWTD, SR of 2015)-16, P NO.121/No.12)								
		No.s	1	LS					
						Total Qty		8300.00	8300.00
30	Supplying of TPST with rewireable procelain channels in SM incloser 32 amps (I / No 6.5.1 P No.44)								
		No.s	1				1.00		
						Total Qty	1.00	1868.00	1868.00
31	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides made out of non more than 2 pieces and fixing the same to wall using taperd inverted wooden plugs, srews etc.. (20X20X2.5) (Page-14-15 Page No.44 I nO.6.6.6 Electrical SR)								
		No.s	1				1.00		
						Total Qty	1.00	302.00	302.00
32	Supplying and fixing LED type panle board indicating lamp with required colour suitable for 220A A.C.50 Hz 12/24v.D.C.S(Electrical SR) 2016-17 P No.N040/ I No.34 (a)								
		No.s	1	LS			1.00		
						Total Qty	1.00	430.00	430.00
33	supplying and fixing and wiring heavy duty low voltage capacitos conforming to IS 2834.3 phase 400/440 volts grade. For power factor improvement of rotating machinary cost per KVAR (b) group B (page-56, itNo; 6.34 Electrical SR) up to 5KVAR (Page No.44 I No.6.41)								
		No.s	1				1.00		
						Total Qty	1.00	138.00	138.00
34	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and wiring complete as required 5 to 32 Amps (Page -447, it: 6.16.1 Electrical SR-2014-15)								
		No.s	1				1.00		
						Total Qty	1.00	418.00	418.00
35	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 12mm dia (P.NO - 55 I.NO - 7.1)								
		No.s	1				1.00		
						Total Qty	1.00	2727.00	2727.00
36	Supplying and fixing of A class (medium duty) GI Pipe of wall thickness not less than 3.25 mm on pole / wall . Drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia (Page No.62 Item No.7.12.1)								
		Rmt	1				1.00		
						Total Qty	1.00	345.00	345.00
37	Supplying LTUG cables having aluminium conductor PVC insulated sheathed galvanised steel wire /steel type armound cables with PVC outer sheating 1.1 KV class B PVC Cable 4 core 16Sqmm (Page-55, iNo:7.4.4 Electrical SR-2014-15)								
		Rmt	1	15.00			15.00		
						Total Qty	15.00	140.40	2106.00
38	Digging of trench of 60x50 wide refiiling the trench to the required ground level and consolidated wtc. Complete in ordinary soil (Page-61-62, it Electrical SR)								
		Rmt	1	10.00			10.00		
						Total Qty	10.00	106.00	1060.00
39	Labour charges for laying 1.1KV class UG cable when supplying departmentally /Agency in excisting trench GI pipe / stone ware pipe /on wall /on pole as reqired (a) 6Sqmm to 16Sqmm (page-61, it: 7.8.1 No 7.9.2)								
		Rmt	1	10.00			10.00		
						Total Qty	10.00	10.80	108.00
40	Supplying and fixing LT Cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitimen / insulating compound complete with terminals, clamps, Bolts, nuts & washers etc 4 core 16 Sqmm (Ele SR of 2014-15, Page No.62/7.13.2)								
		No.s	1	2.00			2.00		
						Total Qty	2.00	280.00	560.00

	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
41	Supplying of porcelain fuse channel with cutout 32 ampers (PRED SR 2016-17 P.No.32 I No.3-b)								
		No.s	1	2.00			2.00		
						Total Qty	2.00	180.00	360.00
42	Bescom Charges (Page No.45 Item No.6.7.2)								
		Each	1				1.00		
						Total Qty	1.00	15000.00	15000.00
43	Earthwork excavation for pipe line trenches including depositing on bank upto a lead of 50 mtrs including shorting and strutting, danger lighting and using sight rails and bonding roads at every 100 mtrs wherever necessary as directeding the following starta manual means (PRES SR 2011-12 P No.1/1.2.1)								
	75 mm dia 6 kg/ CM2	Cum	2	550.00	0.60	0.75	495		
	63mm dia 6 kg/ CN2		2	400.00	0.60	0.75	360		
							855.00		
	A) Ordinary soil 50%						641.00	135.00	86535.00
	B) Hard Soil 50%						641.00	188.00	120508.00
44	Providing and installaing at site od work PVC Pipes including cost of pipes and specials and labour including lowering into trenches laying true to line, level and prefect linking at hoints, leak proof including jointing of approved type with all laour encasing the pipe alround to a depthnot less than 15cms with grave of selected earth available from the excavation etc., complete (PRED SR 2012-13 p.No.15 / I No.3.4.2 & b)								
	A) 63 mm dia 6kg/CM2	Mtr					200.00	104.00	20800.0
	B) 75 mm dia 6kg/CM2						400.00	123.00	49200.0
45	Gate valve 50mm nominal type PWD SR of 2014-15 Page NO.XXIV/ No.673								
	A) 50 MM Dia	No.s					8.00		
						Total Qty	8.00	1600.00	12800.00
46	Gate valve 65mm nominal type PWD SR of 2014-15 Page NO.XXIV/ No.674								
	A) 65MM Dia	No.s					8.00		
						Total Qty	8.00	2050.00	16400.00
47	Gunmetal non retturnnvalve 50 mm nominal bore vartical type PWD SR Page No.XXIV-I No.658								
		No.s	5				5.00		
						Total Qty	5.00	1202.00	6010.00
48	KSRB 2-4 Refilling the basement and pipe lines, trenches with selected avilable earth form trench excabation including watering, Consolidation in layers of 15 cms thick including disposing of the surplus earth with a lead of 200 mtr (PRED SR 2011-12 P NO.3.1 No.1.6)								
	Aty Vide Item No 1 A+B	Cum					1282.00		
						Total Qty	1282.00	61.00	78202.00
49								Total Constrution cost	90,88,197.23
50								Design Report,Proof Checking & PMC Amount	1,81,763.94
52								Towards KIRDL 8%Charges	7,27,055.78
53								Sub Total	99,97,016.95
								Miscellaneous & Rounding Off	2,983.05
								Grand Total	100,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

ಸಂ. EE/Project/DD/AS/ದಿನಾಂಕ : 27/1/17
ರೂ. One Hundred Lakhs Only (One Crore Only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಪ್ರಾಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನಾ) ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ

ಸಂ.CE/DZ/TS/131/16-17 ದಿನಾಂಕ : 27/01/2017
ರೂ. One Hundred Lakhs Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಪ್ರಾಂಜೂರಾತಿ ನೀಡಿದೆ
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Assistant Engineer
Project
BBMP - Bangalore

Assistant Executive Engineer
Project Sub-Division
BBMP - Bangalore

Executive Engineer
Project
BBMP - Bangalore

	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
41	Supplying of porcelain fuse channel with cutout 32 ampers (PRED SR 2016-17 P.No.32 I No.3-b)								
		No.s	1	2.00			2.00		
						Total Qty	2.00	180.00	360.00
42	Bescom Charges (Page No.45 Item No.6.7.2)								
		Each	1				1.00		
						Total Qty	1.00	15000.00	15000.00
43	Earthwork excavation for pipe line trenches including depositing on bank upto a lead of 50 mtrs including shorting and strutting, danger lighting and using sight rails and bonding roads at every 100 mtrs wherever necessary as directeding the following starta manual means (PRES SR 2011-12 P No.1/1.2.1)								
	75 mm dia 6 kg/ CM2	Cum	2	550.00	0.60	0.75	495		
	63mm dia 6 kg/ CN2		2	400.00	0.60	0.75	360		
							855.00		
	A) Ordinary soil 50%						641.00	135.00	86535.00
	B) Hard Soil 50%						641.00	188.00	120508.00
44	Providing and installaing at site od work PVC Pipes including cost of pipes and specials and labour including lowering into trenches laying true to line, level and prefect linking at hoints, leak proof including jointing of approved type with all laour encasing the pipe alround to a depthnot less than 15cms with grave of selected earth available from the excavation etc., complete (PRED SR 2012-13 p.No.15 / I No.3.4.2 & b)								
	A) 63 mm dia 6kg/CM2	Mtr					200.00	104.00	20800.0
	B) 75 mm dia 6kg/CM2						400.00	123.00	49200.0
45	Gate valve 50mm nominal type PWD SR of 2014-15 Page NO.XXIV/ No.673								
	A) 50 MM Dia	No.s					8.00		
						Total Qty	8.00	1600.00	12800.00
46	Gate valve 65mm nominal type PWD SR of 2014-15 Page NO.XXIV/ No.674								
	A) 65MM Dia	No.s					8.00		
						Total Qty	8.00	2050.00	16400.00
47	Gunmetal non retturnnvalve 50 mm nominal bore vartical type PWD SR Page No.XXIV-I No.658								
		No.s	5				5.00		
						Total Qty	5.00	1202.00	6010.00
48	KSRB 2-4 Refilling the basement and pipe lines, trenches with selected avilable earth form trench excabation including watering, Consolidation in layers of 15 cms thick including disposing of the surplus earth with a lead of 200 mtr (PRED SR 2011-12 P NO.3.1 No.1.6)								
	Aty Vide Item No 1 A+B	Cum					1282.00		
						Total Qty	1282.00	61.00	78202.00
49								Total Constrution cost	90,88,197.23
50								Design Report,Proof Checking & PMC Amount	1,81,763.94
52								Towards KIRDL 8%Charges	7,27,055.78
53								Sub Total	99,97,016.95
								Miscellaneous & Rounding Off	2,983.05
								Grand Total	100,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

ಸಂ. EE/Project/DD/AS/ದಿನಾಂಕ : 27/1/17
ರೂ. One Hundred Lakhs Only (One Crore Only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಪ್ರಾಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನಾ) ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ

ಸಂ.CE/DZ/TS/131/16-17 ದಿನಾಂಕ : 27/01/2017
ರೂ. One Hundred Lakhs Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಪ್ರಾಂಜೂರಾತಿ ನೀಡಿದೆ
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Assistant Engineer
Project
BBMP - Bangalore

Assistant Executive Engineer
Project Sub-Division
BBMP - Bangalore

Executive Engineer
Project
BBMP - Bangalore